PSY COM SERVICES

DBDA-VA

This test is in two parts, each timed separately.

In **PART I**, first look at the word in capital letters. Then, from the five words that follow, find the one that *means the same thing* as the word in capitals, and mark that answer in this booklet, in the box given below.

An example follows. Mark the correct answer on your booklet in the box for EXAMPLE X.

EXAMPLE X :

ATTEMPT :	a. hit	b. try	c. falter	d. walk	e. quarrel
	❑	❑	❑	❑	❑

Since ATTEMPT and TRY mean the same thing. b. *try* is the correct answer. Therefore, you should mark × in the box below 'b' in the booklet.

In **PART II**, first read the saying or proverb in capital letters. Then, from the five sayings under it, find the one that *means the same thing*, and mark that answer on your booklet.

An example follows. Here also, mark the correct answer of Example Y,

EXAMPLE Y :

LET ANOTHER'S SHIPWRECK BE YOUR GUIDE AT SEA

- ❑ a. one man's meat is another man's poison
- ❑ b. ships fear fire more than water
- ❑ c. wise men learn from other men's mistakes
- ❑ d. the worst things happen at sea
- ❑ e. chart a careful course

Since LET ANOTHER'S SHIPWRECK BE YOUR GUIDE AT SEA means about the same thing as WISE MEN LEARN FROM THER MEN'S MISTAKES, you should mark *c* on the booklet.

Work as quickly and accurately as you can on both parts. You will have 4 minutes for PART I and 3 minutes and 30 seconds for PART II. If you are not sure of the right answer for an item, mark the choice that is your best guess.

When you have finished PART I, please STOP, do not turn to PART II.

PLEASE WAIT FOR THE INSTRUCTIONS TO START.

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DBDA-VA PART-I

(4 minutes)

1. FAST :	a. old	b. rapid	c. slow	d. early	e. late
2. DECEIVE :	a. blunder	b. obtain	c. conceal	d. mislead	e. disclose
3. EXCESS :	a. waste	b. departure	c. surplus	d. tax	e. approach
4. BELIEVABLE :	a. admirable	b. real	c. personable	d. unlikely	e. credible
5. CONTEMPLATE :	a. heal	b. advance	c. meditate	d. rest	e. worry
6. AMIABLE :	a. friendly	b. humorous	c. healthy	d. convincing	e. polished
7. TURMOIL :	a. circular	b. turbulent	c. calm	d. spinning	e. air-borne
8. DECEPTIVE :	a. illogical	b. illusory	c. magical	d. visible	e. clear
9. WHIMSICAL :	a. unlike	b. musical	c. dancing	d. unpredictable	e. equatorial
10. APATHETIC :	a. ignorant	b. indifferent	c. pitiful	d. concerned	e. clever
11. ARDUOUS :	a. repulsive	b. loving	c. easy	d. interesting	e. strenous
12. PLACATE :	a. cover	b. beautify	c. arouse	d. plasticize	e. appease
13. CLANDESTINE :	a. furtive	b. safe	c. tribal	d. open	e. healthful
14. VINDICATE :	a. deny	b state	c. persecute	d. defend	e. accuse
15. INCULCATE :	a. grow	b. inquire	c. instill	d. compute	e. acquire

STOP. PLEASE WAIT FOR THE INSTRUCTIONS TO GO FURTHER.

DBDA-VA PART II

(3 minutes 30 seconds)

16. STRIKE WHILE THE IRON IS HOT
    - ❑ a. Take things as you find them
    - ❑ b. Hot love is soon cold
    - ❑ c. Make hay while the sun shines
    - ❑ d. First think and then speak
    - ❑ e. Look before you leap
17. IT NEVER RAINS BUT IT POURS
    - ❑ a. cloudy mornings turn to clear evenings
    - ❑ b. misfortunes never come one at a time
    - ❑ c. easy come, easy go
    - ❑ d. the least predictable thing in life is the weather
    - ❑ e. every cloud has a silver lining
18. LET SLEEPING DOGS LIE
    - ❑ a. as you make your bed, so you must lie on it
    - ❑ b. do not keep a dog and bark yourself
    - ❑ c. there will be sleeping enough in the grave
    - ❑ d. never look for trouble; let trouble look for you
    - ❑ e. an old dog does not bark for nothing
19. THERE IS NO VENOM LIKE THAT OF THE TONGUE
    - ❑ a. the tongue of an idle person is never idle
    - ❑ b. talking pays no toll
    - ❑ c. few words are best
    - ❑ d. words cut more than swords
    - ❑ e. bad news travels fast
20. IT IS ALWAYS DARKEST BEFORE THE DAWN
    - ❑ a. the longest day means the shortest night
    - ❑ b. what is done by night appears by day
    - ❑ c. he who runs in the dark may well stumble
    - ❑ d. he who groupes in the dark finds what he would not
    - ❑ e. when things are at the worst they will improve
21. ALL THAT GLITTERS IS NOT GOLD
    - ❑ a. don't judge a book by its cover
    - ❑ b. all men can't be masters
    - ❑ c. gold dust blinds all eyes
    - ❑ d. money is the root of all evil
    - ❑ e. riches alone will not make a man happy
22. TOO MANY COOKS SPOIL THE BROTH
    - ❑ a. too much praise is a burden
    - ❑ b. too much consulting confounds
    - ❑ c. truth needs not many words
    - ❑ d. actions speak louder than words
    - ❑ e. when needs is highest, help is nighest
23. A STITCH IN TIME SAVES NINE
    - ❑ a. it is never too late to mend
    - ❑ b. time cures all things
    - ❑ c. prevention is better than cure
    - ❑ d. take time while time is, for time will away
    - ❑ e. it is no use crying over spilled milk
24. LITTLE STROKES FELL GREAT OAKS
    - ❑ a. step after step the ladder is ascended
    - ❑ b. great strokes make not sweet music
    - ❑ c. tall oaks from little acorns grow
    - ❑ d. oaks may fall when reeds stand the storm
    - ❑ e. little things please little minds

STOP. PUT YOUR PENCIL DOWN. DO *NOT* TURN BACK TO MAKE ANY CORECTIONS.

FOR EXAMINER'S USE ONLY :

Subject's Score	:	Raw
Part - I	=	
Part - II	=	
Total	=	_____
Sten	=	

PSY COM SERVICES

DBDA-NA

This test is made up of short number problems. Each problem is followed by five choices. You are to choose the correct answer and mark it on your booklet. Work as *quickly* and *accurately* as you can. Two examples follow. Do them for practice. Do any figuring on the ROUGH WORK box given below. Mark the correct answers on this booklet, by putting a 'X' mark in the box given under each choice.

EXAMPLE	X:					
ADD:	47	a. 231	b. 241	c. 153	d. 261	e. 243
	194	☐	☐	☐	☐	☐
EXAMPLE	*Y*:					
$\frac{1}{2}+\frac{1}{4}$	=	a. $\frac{1}{8}$	b. $\frac{3}{5}$	c. $\frac{3}{4}$	d. $\frac{1}{3}$	e. $\frac{1}{2}$
		☐	☐	☐	☐	☐

For EXAMPLE X, the correct answer is *b*. 241, so you should fill in the box *b* on Your this booklet for EXAMPLE X. For EXAMPLE Y, the correct answer is c. $\frac{3}{4}$ so you should fill in the box c with a 'X'.

Work *as quickly as you can* to finish as many problems as possible. You will have 5 *minutes* 30 *seconds*. If you are not sure of the right answer for a problem, mark the choice that is your best guess.

When you have finished the problems, please *STOP*. Do *not* turn to other pages.

ROUGH WORK

PLEASE WAIT FOR THE INSTRUCTION TO GO FURTHER

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1. *Add:*

41
57
88
34
———

a. 230 ☐ b. 218 ☐ c. 200 ☐ d. 220 ☐ e. 219 ☐

2. *Subtract:*

967
435
———

a. 552 ☐ b. 532 ☐ c. 522 ☐ d. 531 ☐ e. 523 ☐

3. *Multiply:*

974
3
———

a. 2822 ☐ b. 2582 ☐ c. 2922 ☐ d. 2893 ☐ e. 2904 ☐

4. *Divide:* $7\sqrt{2226}$

a. 318 ☐ b. 316 ☐ c. 324 ☐ d. 326 ☐ e. 213 ☐

5. *Multiply:*

253
20
———

a. 5050 ☐ b. 5060 ☐ c. 4760 ☐ d. 4750 ☐ e. 4050 ☐

6. *Subtract:*

952
727
———

a. 224 ☐ b. 234 ☐ c. 235 ☐ d. 225 ☐ e. 325 ☐

7. *Add:*

$9\frac{3}{5}$
$6\frac{1}{2}$
———

a. $16\frac{1}{10}$ ☐ b. $16\frac{1}{5}$ ☐ c. $15\frac{4}{5}$ ☐ d. $15\frac{1}{10}$ ☐ e. $15\frac{9}{10}$ ☐

8. *Divide:* $4{\cdot}8\sqrt{7{\cdot}20}$

a. 1.2 ☐ b. 15.0 ☐ c. 12.0 ☐ d. 0.12 ☐ e. 1.5 ☐

9. *Multiply:*

4.52
5
———

a. 22.60 ☐ b. 22.50 ☐ c. 22.40 ☐ d. 22.26 ☐ e. 26.10 ☐

10. Divide: $15\sqrt{1050}$

a. 30 ☐ b. 32 ☐ c. 70 ☐ d. 72 ☐ e. 60 ☐

PLEASE GO ON TO THE NEXT PAGE ...

11. $\frac{2\times(25-19)}{9} =$ _____ a. $\frac{2}{3}$ ☐ b. $1\frac{1}{3}$ ☐ c. $1\frac{1}{9}$ ☐ d. $1\frac{7}{9}$ ☐ e. $2\frac{2}{3}$ ☐

12. Which one of the numbers below could replace X in both places in:
$4 + X = 6 - X$?
a. 4 ☐ b. 3 ☐ c. 2 ☐ d. 1 ☐ e. –2 ☐

13. $\frac{7}{8} \times \left(\frac{7}{10} - \frac{3}{5}\right) =$ _____ a. $\frac{39}{40}$ ☐ b. $\frac{7}{40}$ ☐ c. $1\frac{11}{80}$ ☐ d. $2\frac{11}{40}$ ☐ e. $\frac{7}{80}$ ☐

14. *Subtract:*

$$\begin{array}{r} 35\frac{3}{4} \\ 28\frac{2}{3} \\ \hline \end{array}$$

a. $7\frac{1}{6}$ ☐ b. $7\frac{5}{6}$ ☐ c. $7\frac{1}{12}$ ☐ d. $6\frac{11}{12}$ ☐ e. $6\frac{5}{6}$ ☐

15. 125% of 32 = _____ a. 6 ☐ b. 12 ☐ c. 36 ☐ d. 52 ☐ e. 40 ☐

16. $\sqrt{196}$ _____ a. 14 ☐ b. 16 ☐ c. 24 ☐ d. 36 ☐ e. 98 ☐

17. $\frac{5}{7}$ of 245 = _____ a. 165 ☐ b. 175 ☐ c. 185 ☐ d. 207 ☐ e. 343 ☐

18. $\left(\frac{1}{2} - \frac{1}{3}\right) + \frac{3}{4} =$ _____ a. $\frac{1}{3}$ ☐ b. $\frac{1}{8}$ ☐ c. $\frac{2}{9}$ ☐ d. $1\frac{1}{9}$ ☐ e. $\frac{5}{8}$ ☐

19. $\left(\frac{1}{2} + \frac{1}{3}\right)^2 =$ _____ a. $\frac{1}{8}$ ☐ b. $\frac{81}{256}$ ☐ c. $\frac{17}{64}$ ☐ d. $\frac{25}{64}$ ☐ e. $1\frac{1}{4}$ ☐

20. $\left(\frac{2}{3} \times \frac{5}{6}\right) + \frac{1}{3} =$ _____ a. $1\frac{5}{6}$ ☐ b. $\frac{5}{27}$ ☐ c. $1\frac{1}{9}$ ☐ d. $\frac{8}{9}$ ☐ e. $\frac{7}{9}$ ☐

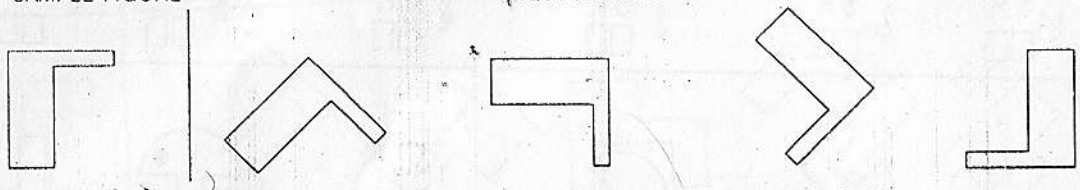
STOP. PUT YOUR PENCIL DOWN. DO NOT TURN BACK TO MAKE ANY CORRECTIONS.

DBDA-SA

In the following pages, there are drawing of all kinds of figures, and you have to imagine them in different positions. In each row, left of the vertical (up and down) line, there is one figure-called "Sample Figure". The Sample Figure is followed by six "Test Figures". Some of the Test Figures will be the same as the Sample Figure,but just turned "around". For example, here are some which are the same:

S=the same (only turned around)

SAMPLE FIGURE *TEST FIGURES*

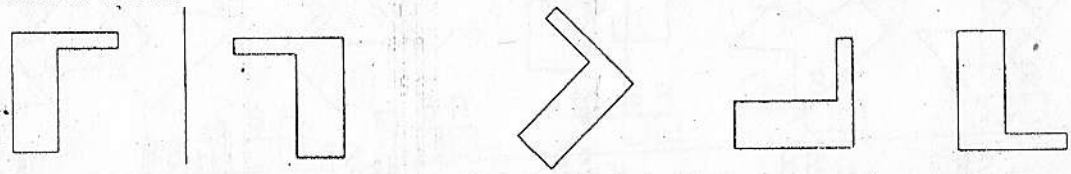


NOTE: The Test Figures are the Sample Figure turned around.

Some of the Test Figures will be reversed from the Sample Figure; that is,they will look like the Sample Figure would look if it was turned "over". In some cases, the Test Figure will be turned "over" and turned "around"; other times it will just be turned over. For example, here are some Test Figures that are reversed:

R = Reversed (or turned over)

SAMPLE FIGURE *TEST FIGURES*

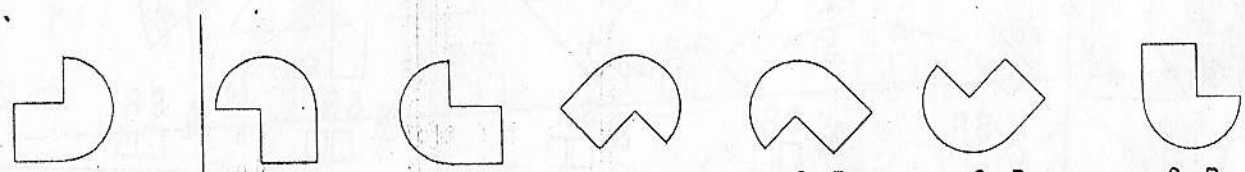


Note: Here the Test Figures looks like the Sample Figures turned over, or turned over and then turned around.

If a Test Figure is the same as the Sample Figure, fill in the S box for that number, given below the figure reversed from the Sample Figure, fill in the R box for that number, given below the figure.

Examples:The following examples are like those you will find on the next pages. The answers for the examples are marked for you. Look at each one of the six Test Figures-X1 to X6-below, decide whether it is the same (S) or reversed from (R) the Sample Figure, and then check your answers with those that are marked. Remember, some of the six will be the same, but turned around. Others will be reversed or turned over and, in some cases, then turned around.

SAMPLE FIGURE *TEST FIGURES*



	S	R
X1	☒	☐
X2	☐	☒
X3.	☐	☒
X4.	☒	☐
X5.	☐	☒
X6.	☒	☐

Notice that Test Figures X1.X4 and X6 are the same as the Test Figures. They are simply the Sample Figure turned around. X2.X3 and X5 are reversed from the Sample Figure. In X2, the Sample Figure was only turned over,and in X3 and X5, it also turned around.

PLEASE GO ON TO THE NEXT PAGE.....

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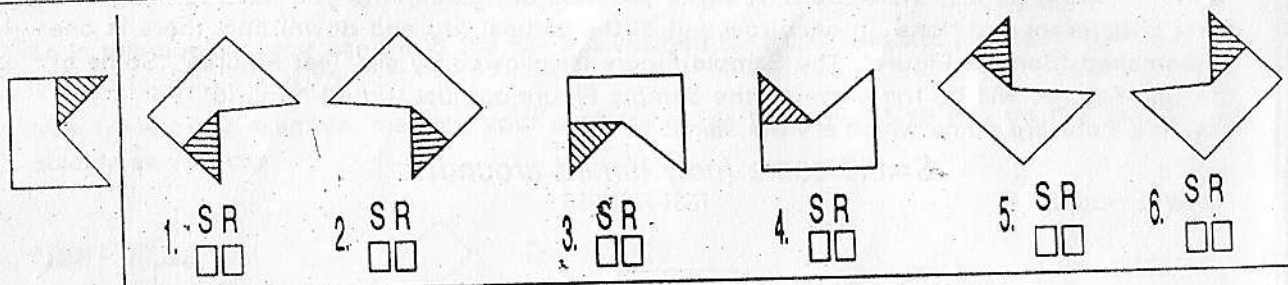
REMEMBER : S means the **same** but turned around,
R means **reversed** or turned over and turned around.

*

SAMPLE FIGURES

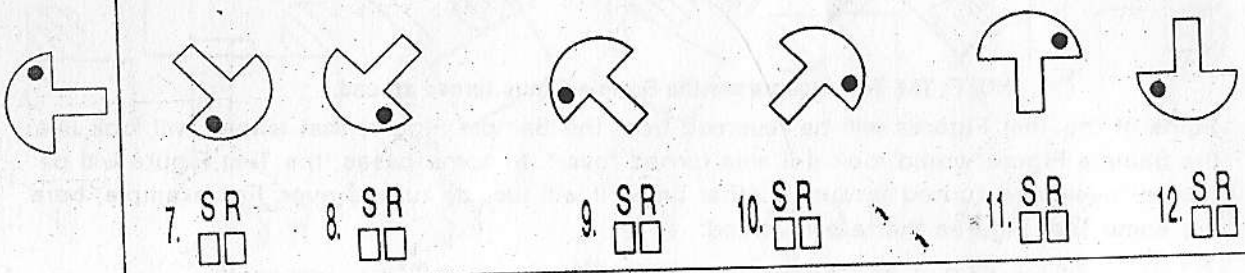
TEST FIGURES

1.-6.



1. S R ☐☐ 2. S R ☐☐ 3. S R ☐☐ 4. S R ☐☐ 5. S R ☐☐ 6. S R ☐☐

7.-12.

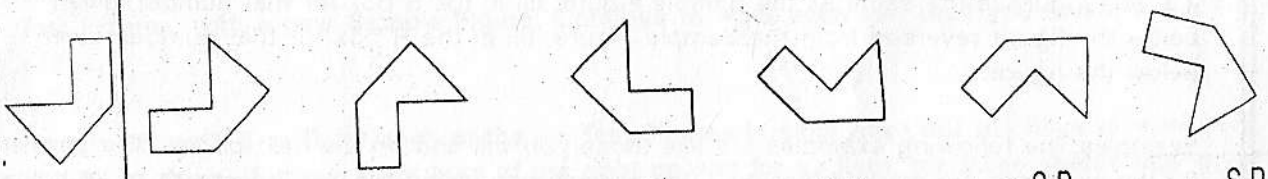


7. S R ☐☐ 8. S R ☐☐ 9. S R ☐☐ 10. S R ☐☐ 11. S R ☐☐ 12. S R ☐☐

13.-18.

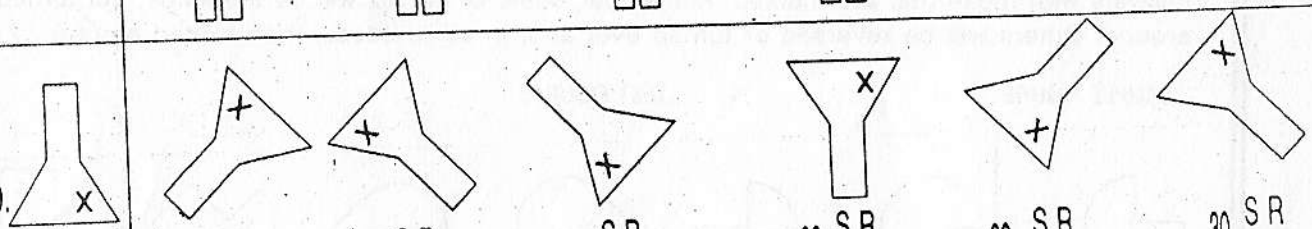
13. S R ☐☐ 14. S R ☐☐ 15. S R ☐☐ 16. S R ☐☐ 17. S R ☐☐ 18. S R ☐☐

19.-24.



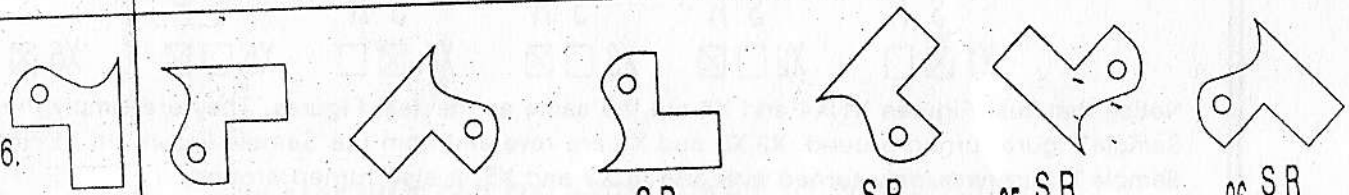
19. S R ☐☐ 20. S R ☐☐ 21. S R ☐☐ 22. S R ☐☐ 23. S R ☐☐ 24. S R ☐☐

25.-30.



25. S R ☐☐ 26. S R ☐☐ 27. S R ☐☐ 28. S R ☐☐ 29. S R ☐☐ 30. S R ☐☐

31.-36.



31. S R ☐☐ 32. S R ☐☐ 33. S R ☐☐ 34. S R ☐☐ 35. S R ☐☐ 36. S R ☐☐

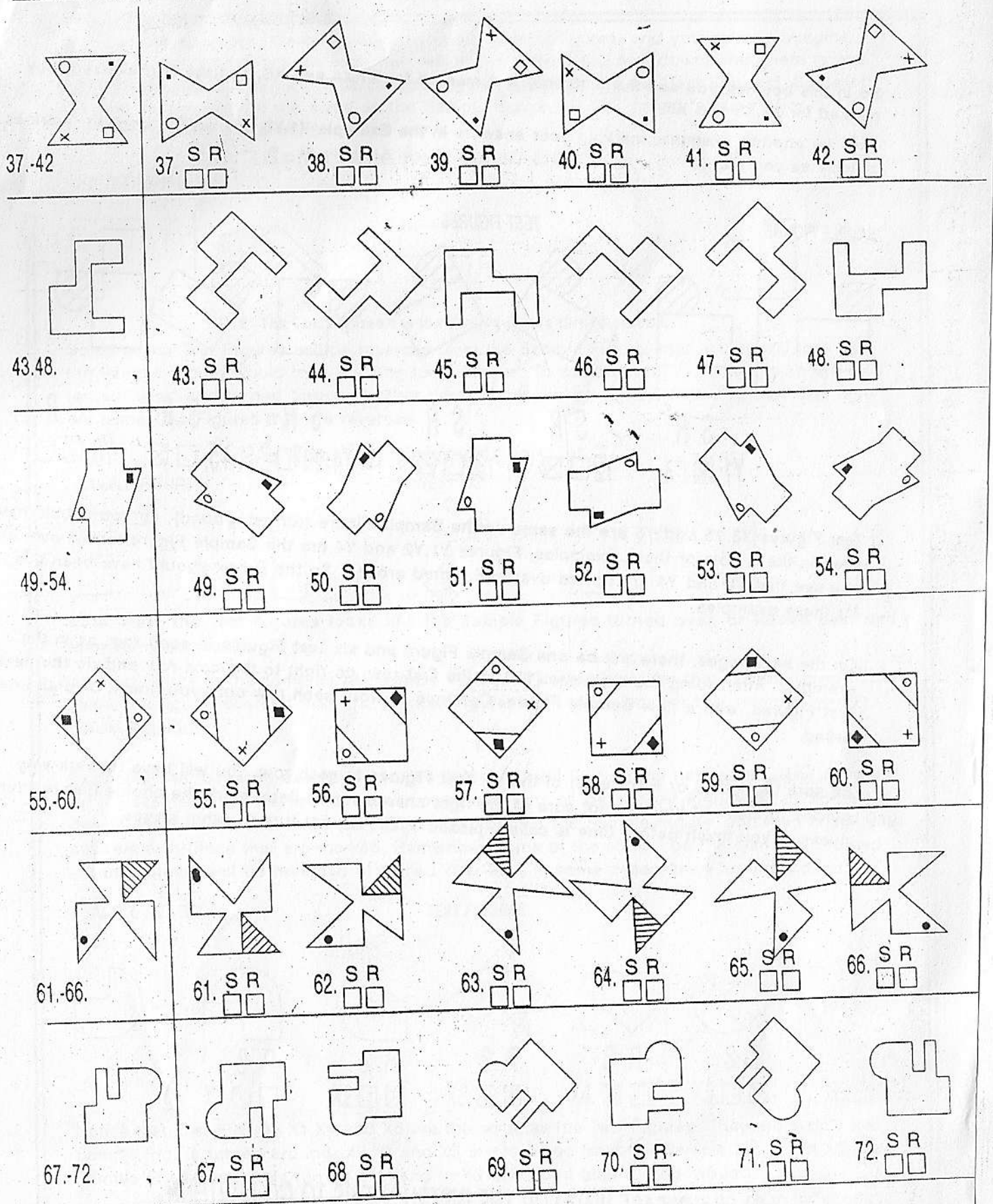
*

PLEASE GO ON TO THE NEXT PAGE .....

AMPLE
-IGURES

TEST FIGURES

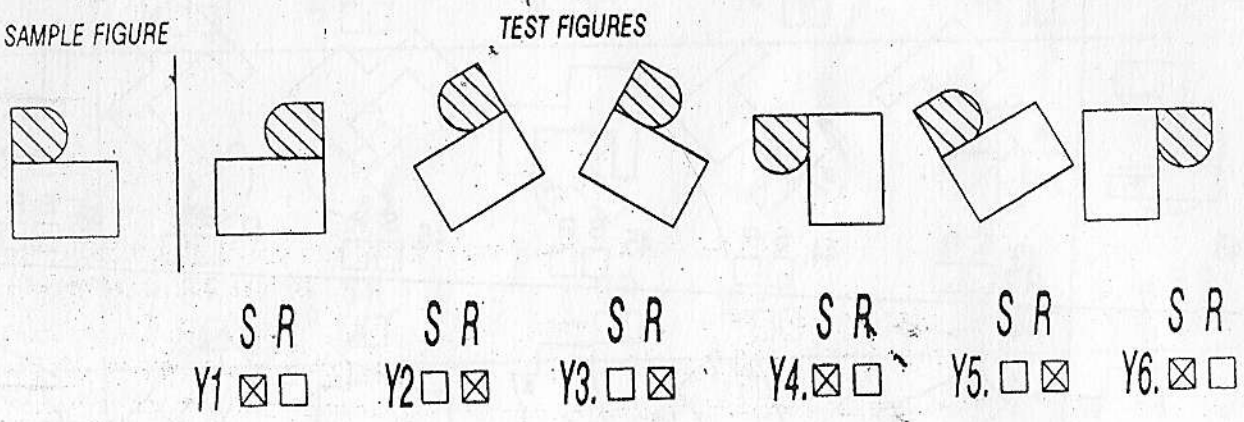
*



* STOP. PUT YOUR PENCIL DOWN.DO NOT TURN BACK TO MAKE ANY CORRECTIONS. RS

So in this booklet, you see the S (Same) box marked for X1.X4 and X6. and the R (Reversed) box marked for X2.X3 and X5.

Now try another example, marking your answers in the Example Y1-Y6 box on the booklet. Work as quickly as you can.



Test Figures Y3.Y5 and Y6 are the same as the Sample Figure (turned around), so you should have filled in the S box for these examples. Figures Y1.Y2 and Y4 are the Sample Figure turned over and you see that Y2 and Y4 are turned over and turned around. So the R box should have been filled in for these examples.

On the next pages, there will be one Sample Figure and six Test Figures in each row, as in the examples. After doing the six items (1-6) in the first row, go right to the next row and do the next Test Figures, with a new Sample Figure. Continue to work each row until you finish, or until time is called.

Be sure to mark S or R for each of the six Test Figures in each row. You will have to work very quickly to finish. If you are not sure of the right answer for an item, mark the choice that is your guess. If you finish before time is called, please STOP. Do not turn to other pages.

PLEASE WAIT FOR THE INSTRUCTIONS TO GO FURTHUR.

PSY COM SERVICES

DBDA-CA

In this test, you will see a word at the left side of the page, with parts of the letters missing. This "incomplete" word is followed by five "jumbled" words. You are first to use your imagination to figure out what the incomplete word is. Then find, among the five scrambled choices, the one that has the right letters to spell the incomplete word. Look at the following example :

sc.r.e a. ehrsu b. reesu c. osher d. roesc e. rtose

You would first look at the incomplete word on the left and try to figure out what the word is. When you see that the word is *score*, you look at the five jumbled choices on the right and see which one contains the letters of the word *score*. The correct answer is *d. roesc*. None of the other four has all the letters in the word *score*.

Now try another example. This time mark '×' your answer in box below the correct answer. Work as quickly as you can.

EXAMPLE X :

la.d.r a. rldead b. trlate c. cdtroo d. urldde e. urderd

☐ ☐ ☐ ☐ ☐

The word on the left is *ladder*, and only choice a. *rldead* contains all the letters in the word *ladder*. Therefore, you should mark '×' in the box below a.

The incomplete words on the next pages vary in length. **There are no capital letters in any of the words.**

Work *quickly* to finish as many items as you can. You will have 5 *minutes* for this test. If you are not sure of the right answer for an incomplete word, mark the choice that is your best guess.

If you finish before time is called, please *STOP*. Do not turn to other pages.

PLEASE WAIT FOR THE INSTRUCTIONS TO START.

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1. [illegible]	a. rodba ☐	b. dnbra ☐	c. aibnr ☐	d. radeb ☐	e. bneas ☐
2. [illegible]	a. sisleln ☐	b. nselsu ☐	c. rsipmes ☐	d. drusens ☐	e. ruseds ☐
3. [illegible]	a. lowilw ☐	b. rdweno ☐	c. dwowni ☐	d. nawred ☐	e. nidrem ☐
4. [illegible]	a. rgaon ☐	b. gapna ☐	c. lpano ☐	d. ginaa ☐	e. garin ☐
5. [illegible]	a. rygzeran ☐	b. ezcyrnai ☐	c. izonrega ☐	d. yezirdan ☐	e. nyoneiza ☐
6. [illegible]	a. onimr ☐	b. rrimor ☐	c. lermi ☐	d. rmuro ☐	e. ulrrc ☐
7. [illegible]	a. rweat ☐	b. twahc ☐	c. lovra ☐	d. twckei ☐	e. berbru ☐
8. [illegible]	a. eusscsc ☐	b. aesrfcu ☐	c. dscucee ☐	d. sdsaces ☐	e. pssrepus ☐
9. [illegible]	a. yldiena ☐	b. gdalein ☐	c. lnoadgi ☐	d. nlginae ☐	e. ldidaene ☐
10. [illegible]	a. irouf ☐	b. rknfa ☐	c. cflka ☐	d. efrla ☐	e. alnfk ☐

PLEASE GO ON TO THE NEXT PAGE.....

11. [illegible]	a. leorfma ☐	b. altnemni ☐	c. aintmlne ☐	d. letanirm ☐	e. faelrimr ☐
12. [illegible]	a. dernccee ☐	b. condiunce ☐	c. ndeucaei ☐	d. enoduine ☐	e. eodncnie ☐
13. [illegible]	a. ljoyl ☐	b. glaji ☐	c. yegll ☐	d. eyjil ☐	e. lylcj ☐
14. [illegible]	a. hytrae ☐	b. amgienn ☐	c. meyinan ☐	d. ylnmeai ☐	e. lychaht ☐
15. [illegible]	a. trsepen ☐	b. tpnesaa ☐	c. patsran ☐	d. psarnet ☐	e. trnoasp ☐
16. [illegible]	a. hcicn ☐	b. issgh ☐	c. nices ☐	d. hnics ☐	e. ncaih ☐
17. [illegible]	a. cmlignba ☐	b. abcorlig ☐	c. grmlaigh ☐	d. mbigagnl ☐	e. lirggamn ☐
18. [illegible]	a. maarce ☐	b. rlnua ☐	c. rtaem ☐	d. yllauble ☐	e. nocraa ☐
19. [illegible]	a. ccrtcor ☐	b. aocrtr ☐	c. acmaer ☐	d. tnoanc ☐	e. fornca ☐
20. [illegible]	a. nroait ☐	b. ruatne ☐	c. gtarin ☐	d. tinono ☐	e. ntiaon ☐

STOP. PUT YOUR PENCIL DOWN. DO *NOT* TURN BACK TO MAKE ANY CORRECTIONS.

PSY-COM SERVICES

DBDA-MA

Name:_____ Date:_____

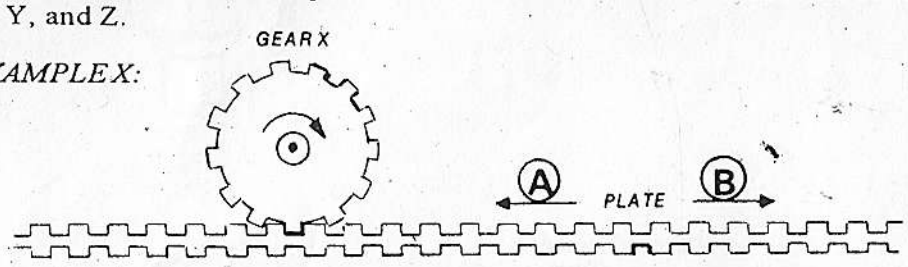
Age:_____ Sex:_____

Class/Occupation:_____

Address:_____ Ph:_____

Find the space for **MA** on your Answer Sheet or mark your answers in this booklet. Do as directed. In this test, you will answer questions about *mechanical facts and principles*, by marking one of the five choices given. Sometimes there will be a picture with the question; sometimes not. Some examples follow. Mark the correct answers in the boxes for EXAMPLES X, Y, and Z.

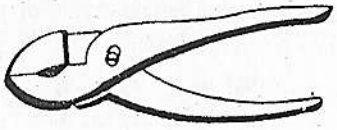
EXAMPLE X:



If gear X is locked in its place, but can turn, and is turning in the direction of the arrow, which way is the *Plate* moving?

a. A
b. B
c. first A, then B
d. first B, then A
e. the Plate is not moving

EXAMPLE Y:



Which is this tool?

a. wrench
b. pipe wrench
c. scissors
d. pliers
e. clamp

EXAMPLE Z:

Any material that electricity will pass though is called a(n)

a. insulator b. magnet c. transformer d. filament e. conductor

Mark Your Answers Here

	a	b	c	d	e
	☐	☐	☐	☐	☐
	a	b	c	d	e
	☐	☐	☐	☐	☐
	a	b	c	d	e
	☐	☐	☐	☐	☐

The correct answer for *EXAMPLE X* is **a.**, since the plate would have to move in *direction A*. For *EXAMPLE Y*, the answer is **d.** *pliers*, and for *EXAMPLE Z*, the answer is **e.** *conductor*. Therefore, you should have filled in the **a.** box for *EXAMPLE X*, the **d.** box for *EXAMPLE Y* and **e.** box for *EXAMPLE Z*.

Work *as quickly as you can*. You will have 9 minutes for all the items on this test. If you are not sure of the right answer for an item, mark the choice that is your best guess. If you finish before the time is called, please *STOP* and do not turn to other pages.

PLEASE WAIT FOR THE INSTRUCTION TO START

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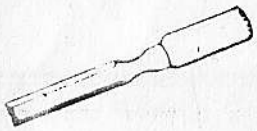
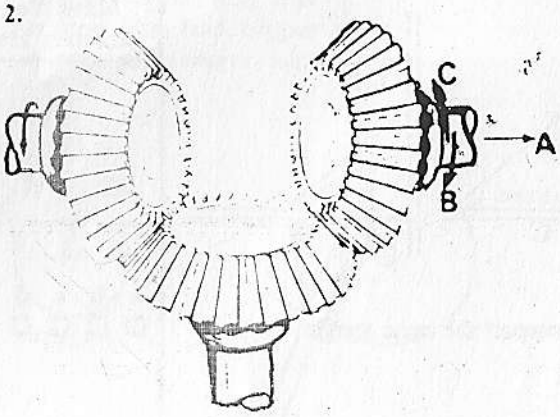
1. 

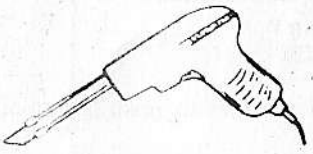
On what material would this *chisel* be used?

a. metal
b. cement
c. plastic
d. wood
e. glass

2. 

If the gear on the left turns in the direction of the arrow, which way does the gear on the right turn?

a. A
b. B
c. C
d. alternately B and C
e. the right gear does not turn

3. 

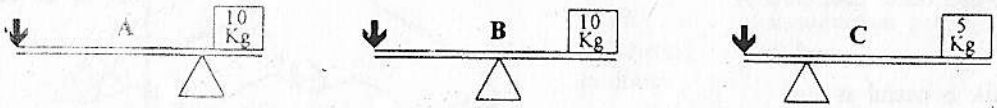
What is this tool?

a. drill
b. welding torch
c. paint sprayer
d. soldering gun
e. burning tool

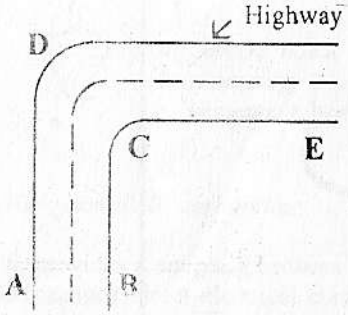
4 A device that does the same thing as a *fuse* does is called a(n)

a. circuit breaker b. resistor c. relay d. alternator e. voltage regulator

5. In which of the following situations is the *least force* needed at the arrow, to balance the lever?



a. A b. B c. C d. A and C e. B and C

6. 

Where should the highway be elevated or raised?

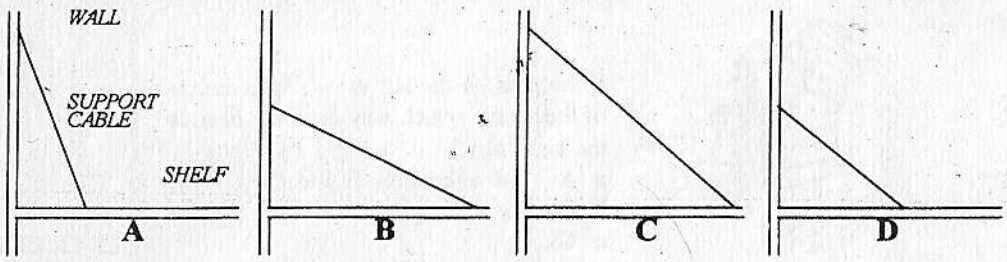
a. A
b. B
c. C
d. D
e. E

Mark Your Answers Here				
a	b	c	d	e
☐	☐	☐	☐	☐
a	b	c	d	e
☐	☐	☐	☐	☐
a	b	c	d	e
☐	☐	☐	☐	☐
a	b	c	d	e
☐	☐	☐	☐	☐
a	b	c	d	e
☐	☐	☐	☐	☐
a	b	c	d	e
☐	☐	☐	☐	☐

GO ON TO THE NEXT PAGE.....

Mark Your Answers Here

7.

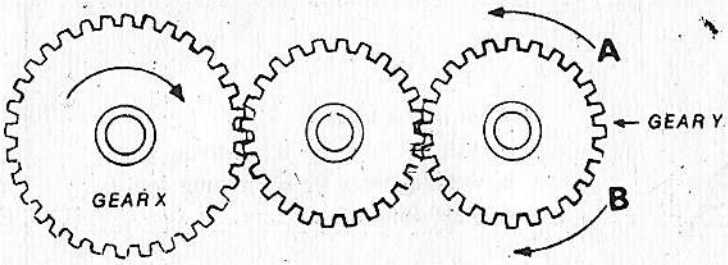


Which of the shelves will support the greatest weight?

a. A b. B c. C d. D e. they will all support the same weight

a b c d e

8.



If Gear X is turning in the direction of the arrow, in what *direction* and *how fast* is Gear Y turning?

a. in direction A and the same speed as Gear X
b. in direction A and faster than Gear X
c. in direction B and slower than Gear X
d. in direction B and the same speed as Gear X
e. in direction B and faster than Gear X

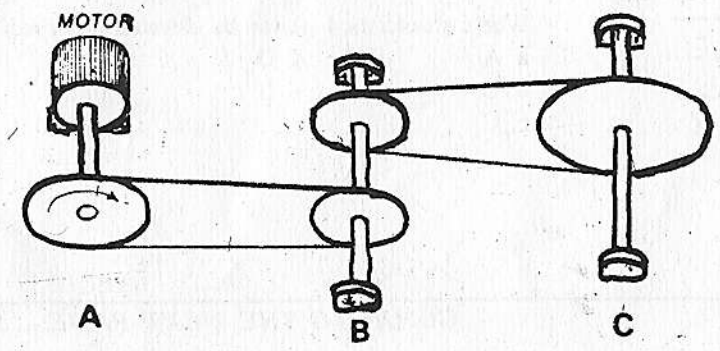
a b c d e

9. Powdered graphite is useful as a(n)

a. adhesive b. thickening agent c. fuel d. lubricant e. conducting agent

a b c d e

10.



Which shaft is turning fastest?

a. A b. B c. C d. A and C e. they will all move at the same speed

a b c d e

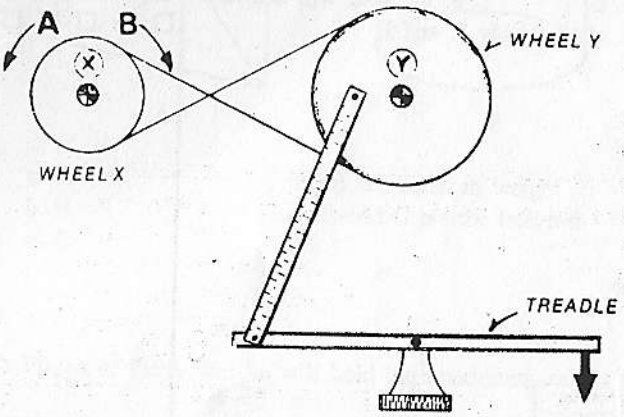
Mark Your Answers Here

11. In which of the following lists are the four metals arranged from *hardest to softest?*

a. steel, copper, iron, lead
b. steel. iron, lead, copper
c. iron, steel, copper, lead
d. iron, steel, lead, copper
e. steel, iron, copper, lead

a b c d e

12.



In what direction and how fast is Wheel X turning as the Treadle moves in the direction of the arrow?

a. direction A and faster than wheel Y
b. direction A and slower than wheel Y
c. direction B and faster than wheel Y
d. direction B and slower than wheel Y
e. direction A and the same speed as wheel Y

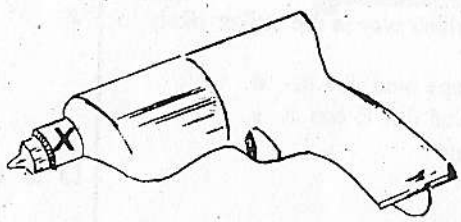
a b c d e

13. A basic part of many *thermostats* is

a. a knife switch
b. a bimettalic strip
c. a spring-activated relay
d. an electromagnatic relay
e. a photo-sensitive activating device

a b c d e

14.



What do we call the part of this tool that is marked with an X?

a. bit
b. housing
c. chuck
d. reduction gear
e. key

a b c d e

15.

This tool is used by a mason for:

a. making holes
b. measuring thickness of walls
c. cementing bricks
d. examining the strightness of walls
e. writing on the walls

a b c d e

16. An *automobile carburettor*

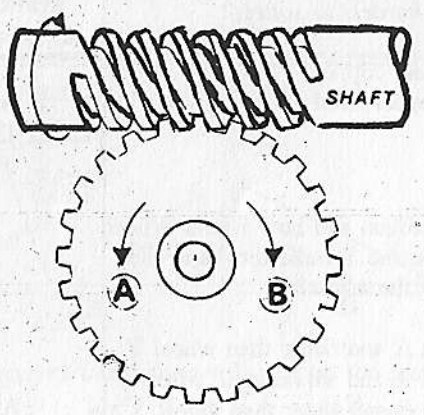
a. provides a coupling between front and rear wheels
b. changes direct electrical current to alternating current
c. allows the rear wheels to turn at a greater speed
d. converts the up and down motion of the pistons
e. allows the mixture of air and petrol

a b c d e

GO ON TO THE NEXT PAGE.....

Mark Your Answers Here

17.



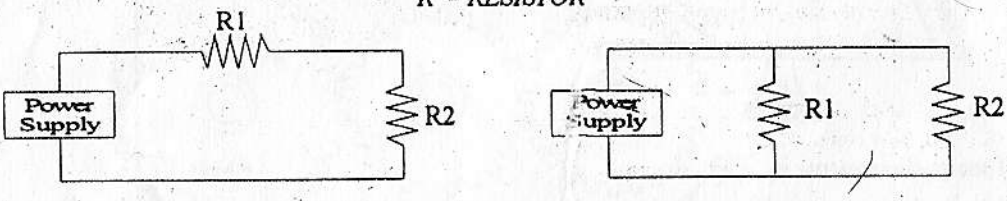
The *Shaft* in the picture cannot move from one side to other, but it can turn. As the shaft is turned in the direction shown by the arrow, which way will the gear turn?

a. A
b. B
c. alternatively A and B
d. first A, then B
e. the gear will not turn

a b c d e
☐ ☐ ☐ ☐ ☐

18.

R = RESISTOR

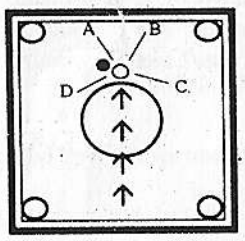


In which circuit is the voltage always the same across each resistor, regardless of the values of R1 and R2?

a. A **b.** B **c.** both A and B **d.** neither A nor B **e.** it depends on the resistance

a b c d e
☐ ☐ ☐ ☐ ☐

19.

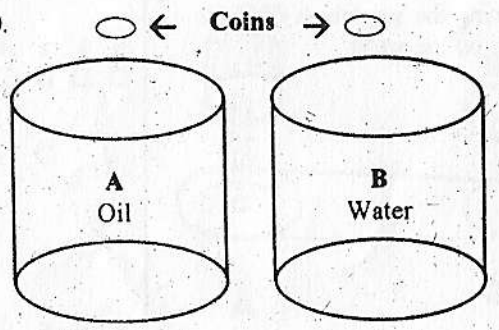


After hitting the black coin, which way is the striker likely to go on the carom-board?

a. A
b. B
c. C
d. D
e. it will rebound

a b c d e
☐ ☐ ☐ ☐ ☐

20.



If same kind of coins are dropped in these two beakers, which coin will drown faster?

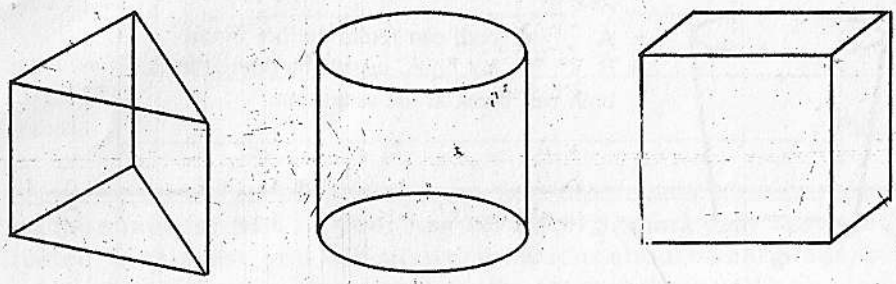
a. A
b. B
c. both will take equal time
d. coin in beaker A will float
e. coin in beaker B will float

a b c d e
☐ ☐ ☐ ☐ ☐

GO ON TO THE NEXT PAGE.....

Mark Your Answers Here

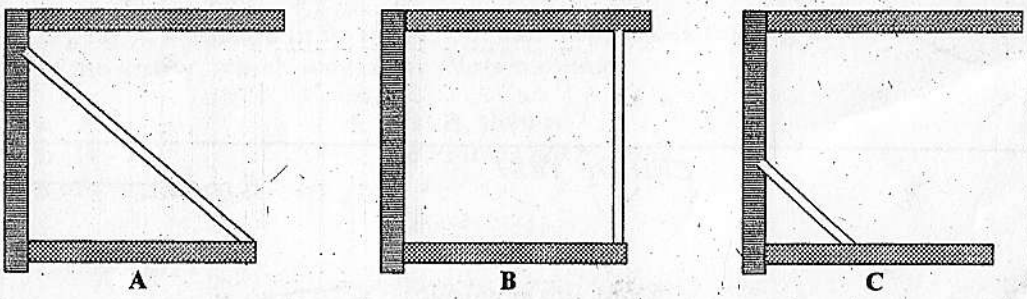
21. Which of these wooden boxes is the heaviest?



a. A
b. B
c. C
d. all are equal in weight
e. B and C are the heaviest

a b c d e
☐ ☐ ☐ ☐ ☐

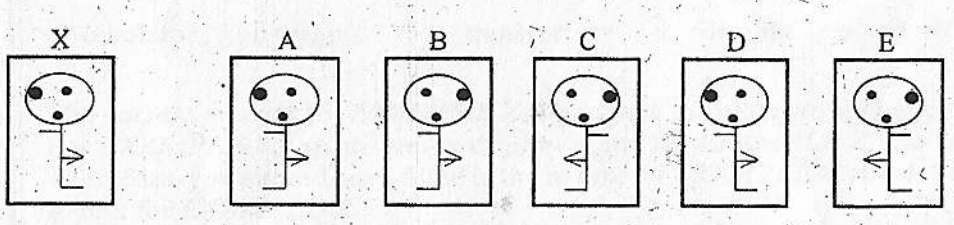
22. Which of these shelves will hold the maximum weight?



a. A
b. B
c. C
b. All will hold equal weight
e. A and B will hold same weight

a b c d e
☐ ☐ ☐ ☐ ☐

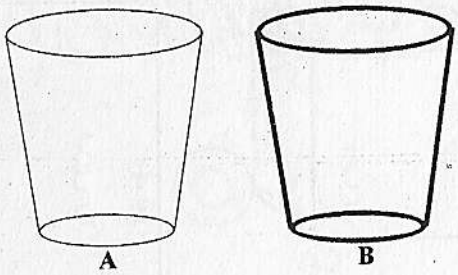
23. How will figure X will look in the mirror? Choose from the figures given below:



a b c d e
☐ ☐ ☐ ☐ ☐

Mark Your Answers Here

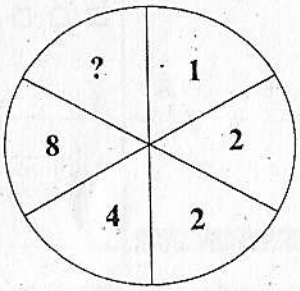
24. Which of these glass will break easily when poured with very hot liquid?



a. A
b. B
c. both will break at the same time
d. both can retain the hot liquid
e. hot liquid cannot be poured in A

a b c d e
☐ ☐ ☐ ☐ ☐

25. Find out the missing number?



a. 17 b. 12 c. 32 d. 8 e. 40

a b c d e
☐ ☐ ☐ ☐ ☐

END OF TEST

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DBDA-CL

Name:_____ Date:_____

Age:_____ Sex:_____

Class/Occupation:_____

Address:_____ Ph:_____

Find the space for **CL** in your Answer Sheet or mark your answers in this booklet. Do as directed. The next page contains 72 pairs of letters or numbers, which are either *same* or *different*. If the pair is *exactly the same,* you are to mark the *S* box for that. If the pair is *different* in any way, you are to mark the *D* box.

Look at the examples given below. Mark an *S* box if both the parts of a pair are the *same* for that example. Mark the *D* box if the parts are different in any way.

EXAMPLES:

U.	TRSPUVGY	TRSUPVGY	S	D
V.	10295364	10295364	S	D
W.	lmjarpb	lmjarpb	S	D
X.	73642519	73462519	S	D

Since in EXAMPLES V and W both parts of each pair were the *same*, you should have marked *S* box for these examples. In EXAMPLES U and X, the parts of each pair were *different,* so you should have marked the *D* box for these two examples.

The idea is to see how quickly and accurately you can decide whether pairs are the same or different, so work *as quickly as you can* without sacrificing the accuracy. If you are not sure of the right answer for a pair, mark the choice that is your best guess.

If you finish before the time is called, please *STOP* and do not turn to other pages.

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REMEMBER: **S = Same; D= Different**

1.	1013295	1012395	S	D
2.	krqpdisu	krqpdisu	S	D
3.	79318453	79318435	S	D
4.	KLSQAEPD	KLSQAEPD	S	D
5.	pdesqidt	pdesqidt	S	D
6.	JQRASMNP	JQRASNMP	S	D
7.	RMAPIQUV	RMAPIQUV	S	D
8.	jnluvpdi	jnluvpdi	S	D
9.	59412675	59412765	S	D
10.	jlnvoprdi	jlvnoprdi	S	D
11.	3645179	3645179	S	D
12.	KRINQUSR	KRINQUSR	S	D
13.	VFGARTUX	VFGARUTX	S	D
14.	732837914	732387914	S	D
15.	JVOPIMURA	JVOPIMURA	S	D
16.	bxvinygru	bxvinygur	S	D
17.	784513962	784513926	S	D
18.	ARQULEWVP	ARQULEVWP	S	D
19.	mnovprydc	mnovprdyc	S	D
20.	793148252	793148252	S	D
21.	XYBWUTYR	XYBWUTYR	S	D
22.	zrmpfdgh	zrmpfgdh	S	D
23.	825731496	825731496	S	D
24.	HUMPRJEQ	HUMPREJQ	S	D
25.	derpqmljn	derpqmljn	S	D
26.	592614826	592614286	S	D
27.	PDLMARQUJ	PDLMARQUJ	S	D
28.	iqrspdelm	iqsrpdelm	S	D
29.	JMNVUPAL	JMNUVPAL	S	D
30.	913826574	913826574	S	D
31.	cpdekrsqb	cpdekrsqb	S	D
32.	AXPRWNBG	AXPRWNBG	S	D
33.	294733506	294733506	S	D
34.	CDJLQRSKN	CDJLQSRKN	S	D
35	reqlmjxap	reqlmxjap	S	D
36.	ZYBMOPRQS	ZYBMOPRQS	S	D

PLEASE GO ON TO THE NEXT PAGE

REMEMBER: **S = Same; D= Different**

37.	3814569	3814659	S	D	55.	63495712	63459712	S	D
38.	qmlavwn	qmlavwn	S	D	56.	PMAZRSTQE	PMAZRSTQE	S	D
39.	ERYNODFP	ERYNODFP	S	D	57.	bcxpudcf	bcxpudcf	S	D
40.	187935824	187953824	S	D	58.	51936247	51936247	S	D
41.	NMRAPCUH	NMRAPCUH	S	D	59.	JXRASPUV	JXRASPVU	S	D
42.	fvbosdrn	fvbosrdn	S	D	60.	drpewye	drepwye	S	D
43.	631425719	631425719	S	D	61.	4562908	4569208	S	D
44.	TRCHLMOV	TRCHMLOV	S	D	62.	MDACPURN	MDACPURN	S	D
45.	cgierduj	cgiedruj	S	D	63.	lmnrdopsa	lmnrdapso	S	D
46.	DNWLRVAX	DNWLRAXV	S	D	64.	271659325	271695325	S	D
47.	hijuvmlpr	hijuvmlpr	S	D	65.	IPRSABJM	IPRSABJM	S	D
48.	GVAPORJM	GVAPORJM	S	D	66.	brpdavul	brpdauvl	S	D
49.	81423596	81243596	S	D	67.	91352748	91352748	S	D
50.	KIRJSBMO	KIRJSBMO	S	D	68.	KRIMNFOJ	KRINMFOJ	S	D
51.	oqxjarpd	oqxjaprd	S	D	69.	61825739	61825739	S	D
52.	64937215	64937215	S	D	70.	MPORSJNV	MPORSJNV	S	D
53.	XBAJZPOR	XBAJZPOR	S	D	71.	rbapdnuz	rbapdnuz	S	D
54.	qzbrsaqt	qzbrsaqt	S	D	72.	LKUVMPOZ	LKVUMPOZ	S	D

END OF THE TEST

REMEMBER: **S = Same; D= Different**

37.	3814569	3814659	S	D	55.	63495712	63459712	S	D
38.	qmlavwn	qmlavwn	S	D	56.	PMAZRSTQE	PMAZRSTQE	S	D
39.	ERYNODFP	ERYNODFP	S	D	57.	bcxpudcf	bcxpudcf	S	D
40.	187935824	187953824	S	D	58.	51936247	51936247	S	D
41.	NMRAPCUH	NMRAPCUH	S	D	59.	JXRASPUV	JXRASPVU	S	D
42.	fvbosdrn	fvbosrdn	S	D	60.	drpewye	drepwye	S	D
43.	631425719	631425719	S	D	61.	4562908	4569208	S	D
44.	TRCHLMOV	TRCHMLOV	S	D	62.	MDACPURN	MDACPURN	S	D
45.	cgierduj	cgiedruj	S	D	63.	lmnrdopsa	lmnrdapso	S	D
46.	DNWLRVAX	DNWLRAXV	S	D	64.	271659325	271695325	S	D
47.	hijuvmlpr	hijuvmlpr	S	D	65.	IPRSABJM	IPRSABJM	S	D
48.	GVAPORJM	GVAPORJM	S	D	66.	brpdavul	brpdauvl	S	D
49.	81423596	81243596	S	D	67.	91352748	91352748	S	D
50.	KIRJSBMO	KIRJSBMO	S	D	68.	KRIMNFOJ	KRINMFOJ	S	D
51.	oqxjarpd	oqxjaprd	S	D	69.	61825739	61825739	S	D
52.	64937215	64937215	S	D	70.	MPORSJNV	MPORSJNV	S	D
53.	XBAJZPOR	XBAJZPOR	S	D	71.	rbapdnuz	rbapdnuz	S	D
54.	qzbrsaqt	qzbrsaqt	S	D	72.	LKUVMPOZ	LKVUMPOZ	S	D

END OF THE TEST

PSY COM SERVICES

DBDA-RA

Name:_____ Date:_____

Age:_____ Sex:_____

Class/Occupation:_____

Address:_____ Ph:_____

Find the space for **RA** in your Answer Sheet or mark your answers in this booklet. Do as directed. On the next page there are 12 rows of letters. In each row, you are to look at five sets of letters. *Four* of the five sets follow a certain rule. One set *does not*. On your Answer Sheet (or this booklet), you are to mark the letter of the one set that *does not* follow the rule.

Look at the following example:

a. BBLJ b. TTRU c. FWZP d. XXBK e. MMEO

Here you see that in four of the sets, the *first two* letters are the same. In the other one, *c. FWZP*, this rule is *not* followed, so the correct answer to this example is *c*.

Please note that the rules are *not* based on *sounds, shapes or types* (vowel or consonant) of the letters.

Now try another example:

EXAMPLE-X:

a. ABCD b. GHIJ c. LMNO d. QSRT e. VWXY

In four of these sets, the letters follow one another in alphabetical order. However, in one set, *d. QSRT*, this is not followed, because the S and R are not in the right alphabetical order. Therefore, you should have filled in the *d.* box on your Answer Sheet (or this booklet).

Work *quickly* to finish as many items as you can. You will have *5 minutes*. If you are not sure of the right answer for an item, mark the choice that is your best guess.

If you finish before the time is called, please *STOP* and do not turn to other pages.

PLEASE WAIT FOR THE INSTRUCTION TO START

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RA

1.	a. DEPD ☐	b. RFMR ☐	c. SJUS ☐	d. TVWT ☐	e. GBBK ☐
2.	a. XFGX ☐	b. BLMB ☐	c. KQRK ☐	d. DTSD ☐	e. MYZM ☐
3.	a. FGHE ☐	b. IJKH ☐	c. LMNP ☐	d. RSTQ ☐	e. VWXU ☐
4.	a. EDDG ☐	b. IHHJ ☐	c. NMMO ☐	d. RQQS ☐	e. TSSU ☐
5.	a. VWVT ☐	b. SVWV ☐	c. VWVR ☐	d. QVWV ☐	e. VWPV ☐
6.	a. CDED ☐	b. LMOM ☐	c. PQRQ ☐	d. STUT ☐	e. WXYX ☐
7.	a. RYAA ☐	b. BBRG ☐	c. RPCC ☐	d. DDRD ☐	e. RLEE ☐
8.	a. ORAR ☐	b. PGRR ☐	c. RBVR ☐	d. RRUH ☐	e. LRLX ☐
9.	a. DECG ☐	b. JKIL ☐	c. MNLO ☐	d. QRPS ☐	e. UVTW ☐
10.	a. BCFF ☐	b. GHKK ☐	c. KLNN ☐	d. PQSS ☐	e. VWZZ ☐
11.	a. CGFJ ☐	b. EIHL ☐	c. GKJN ☐	d. IMNR ☐	e. MQPT ☐
12.	a. HGFC ☐	b. KJIG ☐	c. NMLI ☐	d. TSRO ☐	e. YXWT ☐